

Executive Order: A-023-0709-1 New Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles Page 1 of 4

Pursuant to the authority vested in California Air Resources Board by Health and Safety Code (HSC), Division 26, Part 5, Chapter 2; and pursuant to the authority vested in the undersigned by HSC Sections 39515 and 39516 and Executive Order G-14-012;

IT IS ORDERED AND RESOLVED: That the following exhaust and evaporative emission control systems produced by the manufacturer are certified as described below. Production vehicles shall be in all material respects the same as those for which certification is granted.

-																
							TEST GRO	UP IN	NFOR	MATION						
MOD	ı T	ES	T GROUP			VEHIC	E CLASS(ES)			FUEL CATEGORY			FUEL TYPE			
201	9 KI	HNX	V03.5нн3			PC				SINGLE FUEI		GASOLINE				
USEFUL LIFE (miles)						VEHICLE EMISSION CATEGO				SORY	INTERIM / II	NTE	ERMEDIATE IN-USE STD			
EXH/ORVR EVAP					FTP			SF	TP	FTP		SFTP				
150000 150000				)		LEV3	ULEV125 LEV 3 CO			MPOSITE	*		*			
SP	SPECIAL FEATURES & EXHAUST EMISSION CONTROL SYSTEMS							L	OBD STATUS				ENGINE DISPLACEMEN			
1	1 2WU-TWC, TWC, 2WR-HO2S, 2HO2S, EGR, DFI									FULL	*	$\neg \Gamma$				
*	* *								Р	ARTIAL	ALL MODELS		3.5			
* * PARTIAL W								*								
			E	VAP	OR	ATIVE &	REFUELING	(EVA	P/OR	VR) FAMIL	INFORMATIO	N				
EV	EVAP / ORVR FAMILY EVAPORATIVE STD CATEGOR						GORY	'	EVAP EMISSION STD VEHICLE CLASS			SPECIAL FEATURES				
	KHNXR0121VFA					LEV 2				PC			*			
						E	MISSION CI	REDI	INFO	RMATION						
CDEDIT EOD EXTENDED						EDIT FOR NON-PZEV ERO-EVAP			NMOG CREDIT FOR DOR			OPTIONAL EXH. STD FOR WORK TRUCKS				
и и							N				N					
						NMOG	AND FLEET	AVE	RAGI	INFORMA	TION					
NMO0 RAF	I NMOG/NMHC				HO/NMHC RATIO NMOG+NOX FLEET PC+LDT (0-3750 L' (g/mi)							MDV (10,001-14,000 GVWR) (g/mi)				
*	*		1.10		0.05 0.072						0.083	*				

See the Attachment for Vehicle Models, Evaporative Family, Engine Displacement, Emission Control Systems, Phase-In Standards, OBD Compliance, Emission Standards and Certification Levels, and Abbreviations.



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## BE IT FURTHER RESOLVED:

The exhaust and evaporative emission standards and the certification emission levels for the listed vehicles are as listed on the Attachment. Compliance with the 50° Fahrenheit testing requirement may have been met based on the manufacturer's submitted compliance plan in lieu of testing. Any debit in the manufacturer's fleet average compliance requirement for NMOG+NOx or Vehicle Equivalent Credit (13 CCR Sections 1961.2(b)(1), 1961.2(b)(3), or 1961.2(c)(3), and the incorporated test procedures, as applicable), or Greenhouse Gas Emissions (13 CCR Section 1961.3, or 17 CCR Section 95663, and the incorporated test procedures, as applicable), for PC, LDT, MDPV or MDV shall be equalized as required.

## BE IT FURTHER RESOLVED:

For the listed vehicle models, the manufacturer has attested to compliance with Title 13, California Code of Regulations, (13 CCR) Sections 1965 [emission control labels], 1968.2 [on-board diagnostic, full or partial compliance], 2035 et seq. [emission control warranty], 2235 [fuel tank fill pipes and openings] (gasoline and alcohol fueled vehicles only), and "High-Altitude Requirements" and "Inspection and Maintenance Emission Standards" (California 2015 and Subsequent Model Criteria Pollutant Exhaust Emission Standards and Test Procedures and 2017 and Subsequent Model Greenhouse Gas Exhaust Emission Standards and Test Procedures for PC, LDT and MDV).

day of May 2018.

Vehicles certified under this Executive Order shall conform to all applicable California emission regulations.

This Executive Order hereby cancels and supersedes Executive Order A-023-0709 dated March 22, 2018.

The Bureau of Automotive Repair will be notified by copy of this Executive Order.

Executed at El Monte, California on this

Annette Hebert, Chief

Emissions Compliance, Automotive Regulations and Science Division



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## **ATTACHMENT**

					_									LS					
		CH4 mon adju OR\	l: methar loxide; N stment fa /R [g HC	ne; NMO Ox: oxid actor; 2D /gallon o	G: non- es of nit HS/3DI lispense	CH4 orga trogen; H HS [g HC ed]: on-bo	anic ga CHO: /test]: oard re	es; HC formal 2/3 da fueling	: hydrocart dehyde; P ys diurnal- g vapor rec	oon; NMH M: particu hot-soak covery; g:	C: no late n RL [ gram	n-CH4 natter; F g HC/mi ; mg: mi	HC; CC RAF: re: i]: runni illigram;	activ	ity oss;				
						CO (g/mi)						_							
		CI	ERT	STD	CERT	STI	D	CERT	STD	CER	Т	STD	CER	T	STD				
K	*		*	*	*	*		*	*	*		*	*		*				
GASOLINE- LEV3 E10		1 (1	051	0.125	0.2	2.:	1	*	*	1		4		*					
IK	*		*	*	*	*		*	*	. *		*	10 10						
Hin.			FU	EL TYP	E			_											
								C	ERT	STD		CERT		STD					
@ 50K				*					*	*									
T@UL			GASOLINE-LEV3 E10					0	.024 0.125										
@ 50K	CO	LD CO E	10 REG	JLAR GA	SOLIN	E (TIER	(8)	100	-1484	1 - 1		0.8	8		10.0				
		SFT	PEXHA	UST EM	ISSION	STAND	ARDS	AND	CERTIFIC	ATION LE	VEL	S							
		777	US06						SC03		COMPOSITE								
FUEL TY	TYPE		NMOG+NOx (g/mi)		CO (g/mi) (		PM (mg/mi)			CO (g/mi)		NMOG+NOx (g/mi)		-	PM (mg/mi)				
*		CERT	*		*				*	*									
			*		*				*	*									
CER		CERT				CERT	*		*	,			*	*	0	.048	0	. 3	*
	LEV3 E10 SI		*		*				*	*	0	.097	4	.2	*				
			BIN		V .								0.100		100		NEW TO		
3	WH	OLE VEH	ICLE EV	APORA	TIVE E	MISSION	STA	NDAR	DS AND C	ERTIFIC	ATIO	N LEVE	LS						
				W	HOLE V	EHICLE	EVAP	ORAT	IVE TEST	ING									
ORATIVE MILY					FILE   ADE		YPE 3DHS (g/tr			(test) @ UL			2DHS (g/test)			RL (		(g/mi) @ UL	
			CERT		STD	FEL	CE	RT STD		FEL	CERT		RT	ST					
KHNXR0121VFA			1 0 21 1 0			50 * 0.		39 0.65		*	0.00		00	0 0.05					
RVR / FL	IEL (	ONLY / CA	NISTER	BLEED	EVAP	ORATIVE								EVE	LS				
		ORVR (g/	gallon) (	@ UL		30			HS RIG TEST   2DHS			RIG TEST   BL			LEED CANISTER				
MILY			0555	070	FUEL TYPE		-	(g/test) @ UL						ST (g/test) @ 4K					
KHNXR0121VFA			0.02	0.20			1	RT *	STD *	CERT *		*	CERT +		STD *				
	FUEL TY  GASOLII LEV3 E  CRATIVE MILY  ORATIVE MILY	FUEL TYPE  GASOLINE- LEV3 E10  FUEL TYPE  *  GASOLINE- LEV3 E10  WH  ORATIVE MILY  FUEL TYPE  *  GASOLINE- LEV3 E10  WH  ORATIVE MILY  FUEL TYPE  *	FUEL TYPE  FUEL TYPE  CH4 mon adju ORV 1000  CI OK *  GASOLINE- LEV3 E10  CERT STD  GASOLINE- LEV3 E10  BIN  WHOLE VEH  CORATIVE MILY  CRATIVE MILY  CRATIVE ORVR / FUEL ONLY / CA ORATIVE MILY  CASOLINE- LEV3 E10  CRATIVE ORVR / FUEL ONLY / CA CRATIVE MILY  CASOLINE- CRATIVE ORVR / FUEL ONLY / CA CRATIVE MILY  CASOLINE- CRASOLINE- CRATIVE ORVR / FUEL ONLY / CA CRATIVE MILY  CASOLINE- CRASOLINE-	FUEL TYPE  FUEL TYPE  CH4: methar monoxide; N adjustment for ORVR [g HC 1000 miles; Feet 10	FUEL TYPE  FUEL TYPE  FUEL TYPE  CH4: methane; NMO monoxide; NOx: oxid adjustment factor; 2D ORVR [g HC/gallon of 1000 miles; F: degree of 1000 mi	EXHAUST AND EVAPORATIVE EMIS  EXHAUST EMISSION STANDARDS A  CH4: methane; NMOG: non- monoxide; NOx: oxides of nit adjustment factor; 2DHS/3Di ORVR [g HC/gallon dispense 1000 miles; F: degrees Fahr  NMOG+NOx (g/mi)  CERT STD CERT  NMOG+NOx (g/mi)  CERT STD CERT  CERT STD CERT  FUEL TYPE  GASOLINE- LEV3 E10  SFIP EXHAUST EMISSION  FUEL TYPE  GASOLINE-LEV3 E10  SFIP EXHAUST EMISSION  WHOLE VEHICLE EVAPORATIVE E  WHOLE VEHICLE EVAPORATIVE E  ORATIVE MILY  ORATIVE GASOLINE- LEV3 E10  ORVR (g/gallon) @ UL  FUEL TYPE CERT STD  ORATIVE MILY  FUEL TYPE CERT STD	EXHAUST AND EVAPORATIVE EMISSION S  EXHAUST EMISSION STANDARDS AND CER  CH4: methane; NMOG: non-CH4 orga monoxide; NOx: oxides of nitrogen; adjustment factor; 2DHS/3DHS [g HC ORVR [g HC/gallon dispensed]: on-bot 1000 miles; F: degrees Fahrenheit; FT    NMOG+NOX (g/mi) (g/mi)  CERT STD CERT STD CERT STI    EX * * * * * * * * * * * * * * * * * * *	EXHAUST AND EVAPORATIVE EMISSION STAN  EXHAUST EMISSION STANDARDS AND CERTIFICA  CH4: methane; NMOG: non-CH4 organic ge monoxide; NOx: oxides of nitrogen; HCHO: adjustment factor; 2DHS/3DHS [g HC/test]: ORVR [g HC/gallon dispensed]: on-board re 1000 miles; F: degrees Fahrenheit; FTP: fed (g/mi) (g/mi)  CERT STD CERT STD  CERT STD STD  CERT STD STD  CERT STD STD  CERT STD FEL CE  CERT STD STD  CERT S	EXHAUST EMISSION STANDARDS AND CERTIFICATION  CH4: methane; NMOG: non-CH4 organic gas; HC monoxide; NOx: oxides of nitrogen; HCHO: formal adjustment factor; 2DHS/3DHS [g HC/kest]: 2/3 da ORVR [g HC/gallon dispensed]: on-board refueling 1000 miles; F: degrees Fahrenheit; FTP: federal to  NMOG+NOX (g/mi)	EXHAUST AND EVAPORATIVE EMISSION STANDARDS AND  EXHAUST EMISSION STANDARDS AND CERTIFICATION LEVELS (  CH4: methane; NMGG: non-CH4 organic gas; HC: hydrocard monoxide; NOx: oxides of nitrogen; HCH0: formaldehyde; P adjustment factor; 2DHS/3DHS [g HC/test]; 2/3 days diurnal-factor; 2DHS/3DHS [g Hc/test]; 2/4 days diurnal-factor; 2DHS/3DHS/3DHS/3DHS/3DHS/3DHS/3DHS/3DHS/3	EXHAUST AND EVAPORATIVE EMISSION STANDARDS AND CERTI  EXHAUST EMISSION STANDARDS AND CERTIFICATION LEVELS (FTP, HW  CH4: methane; NMOG: non-CH4 organic gas; HC: hydrocarbon; NMH monoxide; NOx: oxides of nitrogen; HCHO: formaldehyde; PM: particular adjustment factor; 20HS/30HS (g HC/test); 22 days diumaleh-lot-soak ORVR [g HC/gallon dispensed]: on-board refueling vapor recovery; g: 1000 miles; F: degrees Fahrenheit; FTP: federal test procedure; SFTP	EXHAUST AND EVAPORATIVE EMISSION STANDARDS AND CERTIFICATION LEVELS (FTP, HWFET, CH4: methane; NMOG: non-CH4 organic gas; HC: hydrocarbon; NMHC: no monoxide; NOx: oxides of nitrogen; HCHO: formaldehyde; PM: particulate nadjustment factor; 2DHS/3DHS (gHC/test); 20 days diumal-tho-soak; RL); ORVR (g HC/gallon dispensed]: on-board refueling vapor recovery; g. gram 1000 miles; F: degrees Fahrenheit; FTP: federal test procedure; SFTP: supplication of the p	EXHAUST AND EVAPORATIVE EMISSION STANDARDS AND CERTIFICATION  EXHAUST EMISSION STANDARDS AND CERTIFICATION LEVELS (FTP, HWFET, 50°F, 2  CH4: methane; NMOG: non-CH4 organic gas; HC: hydrocarbon; NMHC: non-CH4 monoxide; NOx. oxides of nitrogen; HCHO: formaldehyde, PM: particulate matter; for adjustment factor; 2DHS/SJOHS (g HC/Gellon dispensed): on-board refueling vapor recovery; g: gram; mg: m 1000 miles; F: degrees Fahrenheit; FTP: federal test procedure; SFTP: supplement (g/ml)  CCRT STD CERT STD STD STD STD STD STD STD STD STD ST	EXHAUST AND EVAPORATIVE EMISSION STANDARDS AND CERTIFICATION LEVEL  EXHAUST EMISSION STANDARDS AND CERTIFICATION LEVELS (FTP, HWFET, 50°F, 20°F)  CH4: methane; NMOG: non-CH4 organic gas; HC; hydrocarbon; NMHC; non-CH4 HC; Commonoxide; NOx: oxides of nitrogen; HCHO: formaldehyde; PM; particulate matter; RAF; readjustment factor; 20HS/3DHS [g HC/Rest]; 2/3 days diurnal+hot-lsoak; RL [g HC/mi]; runni ORVR [g HC/gallon dispensed; on-board refueling vapor recovery; g: gram; mg; milligram; 1000 miles; F: degrees Fahrenheit; FTP; federal test procedure; SFTP: supplemental FTP  FUEL TYPE  NMOG+NOX CO NOX HCHO (g/mi) (g/mi) (g/mi) (mg/mi) (g/mi) (mg/mi) (g/mi) (g/mi) (mg/mi) (g/mi) (mg/mi) (g/mi) (g/mi	EXHAUST AND EVAPORATIVE EMISSION STANDARDS AND CERTIFICATION LEVELS   EXHAUST EMISSION STANDARDS AND CERTIFICATION LEVELS (FTP, HWFET, 50°F, 20°F)				



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EFFECTIVE	LEAK DIAMETER STAN	DARD AND CERTIFICATION LEV	/EL (INCHES)
EVAPORATIVE FAMILY	LEAK FAMILY	CERT	STD
*	*		*

: not applicable; #: pounds; UL: useful life; PC: passenger car; LDT: light-duty truck; LDT1: LDT<6000#GVWR,0-3750#LVW; LDT2: DT<6000#GVWR,3751-5750#LVW; LDT3; LDT 6001-8500#GVWR,3751-5750#ALVW; LDT4; LDT 6001-8500#GVWR,5751-8500#ALVW; MDV: medium-duty vehicle; MDV4: MDV 8501-10000#GVWR; MDV5: MDV 10001-14000#GVWR; MDPV: mediumduty passenger vehicle; HDV: heavy-duty vehicle; ECS: emission control system; CERT: certification; STD: standard; FEL: family emission limit; GVWR: gross vehicle weight rating; LVW: loaded vehicle weight; ALVW: adjusted LVW; LEV: low emission vehicle; ULEV: ultra LEV; SULEV: super ULEV; ZEV: zero-emission vehicle; TZEV: transitional ZEV; TWC/OC: 3-way/oxidizing catalyst; ADSTWC: adsorbing TWC; HAC: HC adsorbing catalyst; WU: warm-up catalyst; NAC: NOx adsorption catalyst; SCR-U or SCRC/SCR-N or SCRC-NH3: selective catalytic reduction-urea/ammonia; NH3OC: ammonia oxidation catalyst; CTOX/PTOX: continuous/periodic trap oxidizer; DPF: diesel particulate filter (active); GPF: PM filter for spark-ignited engine; HO2S/O2S: heated/oxygen sensor; WR-HO2S or AFS: wide range/linear/heated air-fuel ratio sensor; NOXS: NOx sensor; PMS: PM sensor; RDQS: reductant quality sensor; NH3S: ammonia sensor; EGR: exhaust gas recirculation; EGRC: EGR cooler; AIR/AIRE: secondary air injection (belt driven)/(electric driven); PAIR; pulsed AIR; SFI/MFI; sequential/multiport fuel injection; DFI/IFI; direct/indirect fuel injection; TC/SC: turbo/super charger; CAC: charge air cooler; FFH: fuel fired heater; F/P/\$: full/partial/partial with fines on-board diagnostic; DOR: direct ozone reducing; HCT: hydrocarbon trap; BCAN: bleed carbon canister; prefix 2: parallel; (2) suffix: series; CNG/LNG: compressed/liquefied natural gas; LPG: liquefied petroleum gas; E85: "85%" ethanol ("15%"gasoline) fuel; E10: "10%" ethanol ("90%"gasoline) fuel; A: automatic (with lockup); M: manual transmission; SA: semi-automatic transmission; CV: continuously variable transmission; SCV: selectable continuously variable transmission; AM: automated manual transmission; AMS: automated manual-selectable transmission; OT: other transmission; AER: all-electric range; EAER: equivalent AER; PHEV: plug-in hybrid electric vehicle

	2019 MODEL Y	EAR: VE	HICLE M	ODELS INF	ORMATION		
MAKE	MODEL	VEH CLASS	ENGINE (L)	TRANS TYPE	EVAPORATIVE FAMILY	EXH	OBD
ACURA	TLX V6 AWD	PC	3.5	SA9	KHNXR0121VFA	1	P
ACURA	TLX V6 AWD A-SPEC	PC	3.5	SA9	KHNXR0121VFA	1	P
ACURA	TLX V6 FWD	PC	3.5	SA9	KHNXR0121VFA	1	P
ACURA	TLX V6 FWD A-SPEC	PC	3.5	SA9	KHNXR0121VFA	1	P